

2021 CITY JUSTICE CENTER SECURITY UPGRADES



CELL DOORS AND LOCKS

CHALLENGES

Minimum security locks that are being compromised by the inmates. The hardware is no longer manufactured and parts are difficult to procure.



SOLUTION

New medium/maximum security cell doors, locks, frames, hardware and glazing throughout the facility

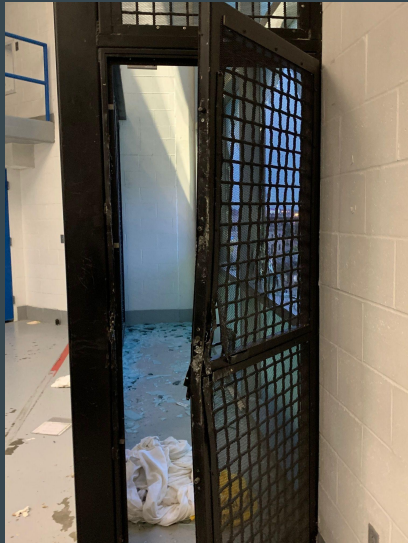


COST = \$7.6M

DAY ROOM WINDOW PROTECTION

CHALLENGES

Inmates were able to defeat the existing window screening and doors leading to the exterior windows.



SOLUTION

Install new heavy duty high-security screening and doors.

COST = \$1.3M

CONTROLS SYSTEM & OFFICER PROTECTION

CHALLENGES

The operating software is proprietary, outdated and no longer supported. Portions of this systems were irreparably damaged in the recent uprisings due to the existing controls and guards being in the unprotected open day room

SOLUTION

New facility-wide controls system utilizing easily-obtained hardware and non-proprietary software

New elevated and protected guard control stations on the 3rd and 4th floors allowing a single guard to view and control 2 pods as well as the recreation area from a single room. The door operations can also be controlled by tablets by roaming guards outside of the new guard control station.

New protected sally-port entrance into each day room pod.

Subdivided pods to provide the officers more precise control over large populations

COST

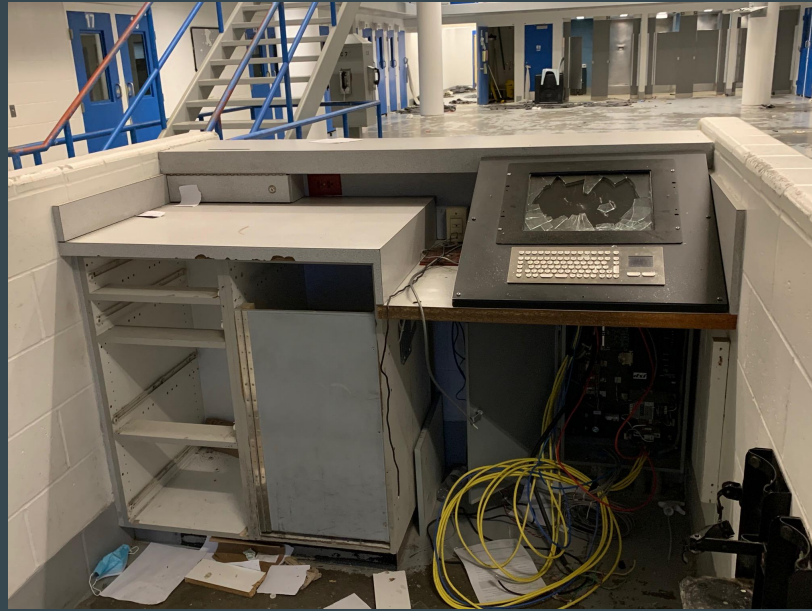
CONTROLS SYSTEM \$4M

GUARD STATIONS \$3M

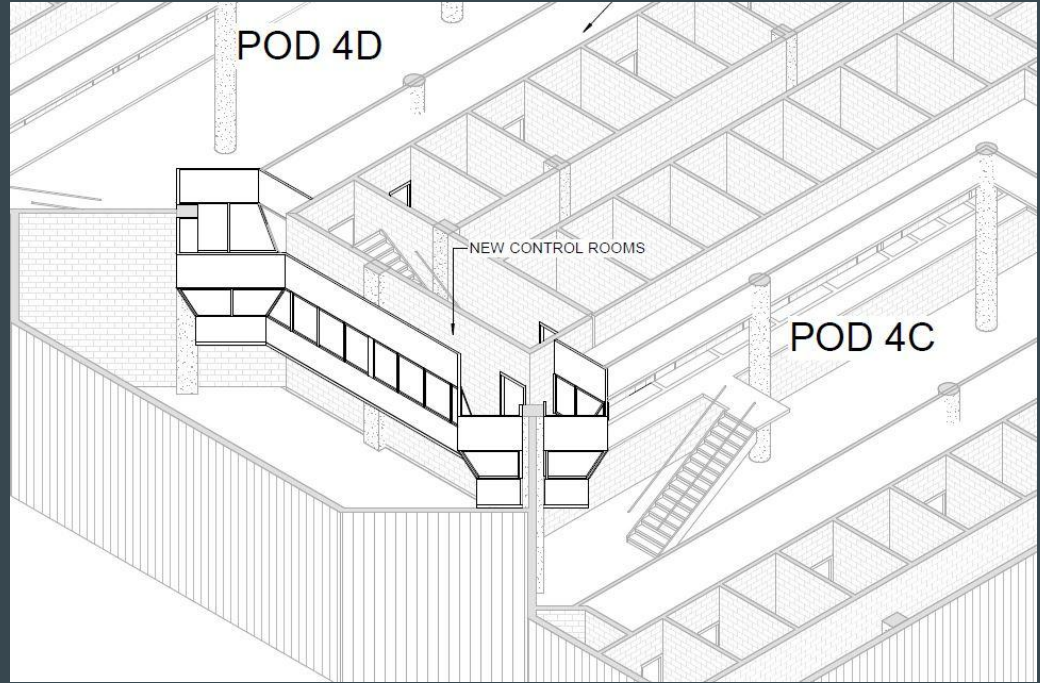
SALLY-PORT ENTRANCE & DAY ROOM SUBDIVISION ??? (Still in the conceptual design phase)

CONTROLS SYSTEM & OFFICER PROTECTION

CHALLENGES



SOLUTION



FURNITURE

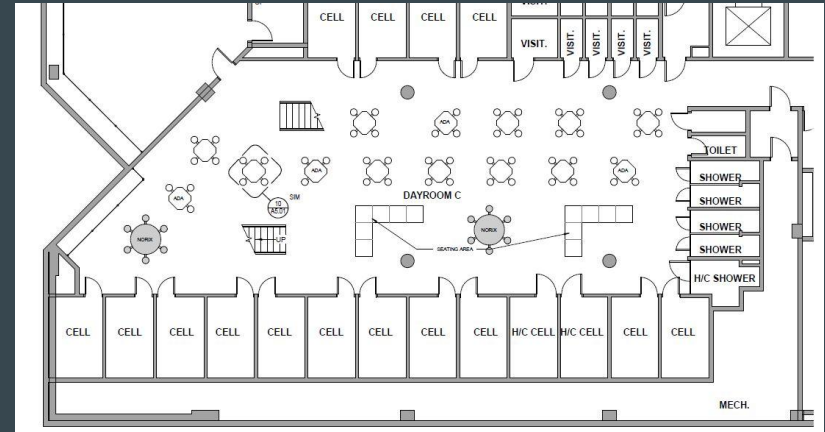
CHALLENGES

Existing furniture is not correction-grade and is not securely fastened to the floor. Inmates utilized the loose furniture to damage the control station, security screening, windows, etc. in the recent uprisings.



SOLUTION

3rd and 4th Floors - New corrections-grade day room furniture securely fastened to the floor



COST = \$600K

LIGHTING

CHALLENGES

Inmates are able to damage the existing cell lighting fixtures and, in some cases, fashion weapons and/or tools. The existing day room lighting fixtures hang low allowing inmates to strike them with objects creating debris that could also be fashioned into weapons/tools.



SOLUTION

New super-maximum security level cell and day room lighting. The day room lighting will be hung much higher and secured with aviation cable to prevent them from being dislodged.

6 | Correctional Lighting Best Practices

Lighting Levels, Materials & Gauges

Kenall fixtures meet or exceed every security requirement for their intended application. Whether a minimum, medium, maximum, or super-maximum application, our fixtures are engineered to resist everything from the most violent abuse to the cleverest attempts at tampering and concealment.

Material Selection Guidelines				
Security Levels	Minimum	Medium	Maximum	Super-Maximum
Housing Gauge, Steel	18	16	14	12
Housing Gauge, Stainless Steel	20	18	16	14
Inner Lens	.125"	.125"	.125"	.125"
Outer Lens-Polycarbonate	.187"	.250"	.375"	.500"
Outer Lens-Tempered Glass	.250"	.375"	.500"	.750"
Fasteners	TP (Tamper-proof)	Recessed TP	Recessed TP	Recessed TP

COST = \$1.9M

FIRE ALARM SYSTEM

CHALLENGES

The existing fire alarm system is the original system installed during the construction of the facility in the early 2000's and is in need of a comprehensive diagnostic testing and upgrades.



SOLUTION

A comprehensive diagnostic testing, firmware upgrade, software upgrade, and testing/replacement of all heat detectors (15 in total), smoke detectors (253 in total), and HVAC system duct (smoke) detectors (154 in total) that fall outside maximum functionality status. The master control panel, remote panels controlling horn/strobe activation, and existing annunciator panels will be fully checked for full functionality and any components falling outside specifications will be replaced. All wiring will be checked for ground fault condition.

COST = \$500K

Plus \$110K per year for testing and device cleaning

COST SUMMARY

CELL DOORS AND LOCKS	\$7,600,000
DAY ROOM WINDOW PROTECTION	\$1,300,000
CONTROLS SYSTEM & OFFICER PROTECTION	\$7,000,000 (not including the sally-port entrance and day room subdivision)
FURNITURE	\$600,000
LIGHTING	\$1,900,000
FIRE ALARM	\$500,000
DESIGN FEES	\$600,000
TOTAL PROJECT COST	\$19,500,000

** Scheduled to be completed by Q2 2023 **